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## **ABSTRACT OF THE DISCLOSURE**

The invention relates to methods of obtaining and expanding a purified population of long-term repopulating hematopoietic stem cells. The invention also relates to the uses of a purified population of long-term repopulating hematopoietic stem cells, for example by maintaining the stem cells in the presence of differentiated cells in order to induce the stem cells to differentiate to become cells of the same type.

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